

10/089963

JC12 Rec'd PCT/PTO 08 APR 2002

PATENT

Attorney Docket No. 216190

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

LI et al.

Art Unit: Unassigned

Corresponding to International

Application No. PCT/GB00/03964

Examiner: Unassigned

Filed: Concurrently

For: METHODS AND APPARATUS FOR  
DRIVING A QUADRUPOLE ION  
TRAP DEVICE

**AMENDMENTS TO SPECIFICATION AND CLAIMS  
MADE VIA PRELIMINARY AMENDMENT**

*IN THE SPECIFICATION:*

Please amend the paragraph on page 2, lines 18-21, as follows:

Different methods of detection such as Fourier transform of image current disclosed in US Patent No. [5,629,186] 5,625,186 were also developed later. These developments have brought about tremendous applications in mass spectrometry and in the combination of mass spectrometry with other widely used instrumentation.

*IN THE CLAIMS:*

Please amend claims 4-14, 19-26, and 32 as follows:

4. (Amended) A method as claimed in [any one of claims] claim 1 [to 3] including fixing one of the repetition rate of said time-varying rectangular wave and the excitation frequency of said time-varying dipole excitation voltage and scanning another